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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Applicants : Constantine J. Tsikos et al.  
Application Serial No.: 10/084,764  
Filing Date : February 26, 2002  
Title: PLANAR LASER ILLUMINATION AND IMAGING (PLIIM)  
BASED CAMERA SYSTEM FOR PRODUCING HIGH-  
RESOLUTION 3-D IMAGES OF MOVING 3-D OBJECTS  
Examiner : Daniel St. Cyr  
Group Art Unit : 2876  
Attorney Docket No. : 108-151USAN40

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

*entered  
9/25/05  
AMM*

**AMENDMENT UNDER RULE 312(a)**

SIR:

Prior to payment of Issue Fee in the present Application, please amend the same as follows:

**AMENDMENT TO THE CLAIMS:**

Please amend Claims 669-676 as follows:

Claims 1-668 (canceled)

Claim 669 (currently amended): A planar laser illumination and imaging (PLIIM) based camera system for producing high-resolution 3-D images of 3-D object surfaces of arbitrary surface geometry moving relative to said PLIIM based camera system, said PLIIM-based camera system comprising:

a system housing having first, second, third and fourth light transmission apertures linearly aligned with and optically isolated from each other, and said third light transmission aperture being disposed between said first and second light transmission apertures;

an a LADAR-based object profiling subsystem, disposed within said system housing, for projecting an amplitude modulated (AM) laser beam through said fourth light transmission aperture, and scanning said laser beam across an a 3-D object surface of arbitrary surface

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